

# PATENT ABSTRACTS OF JAPAN

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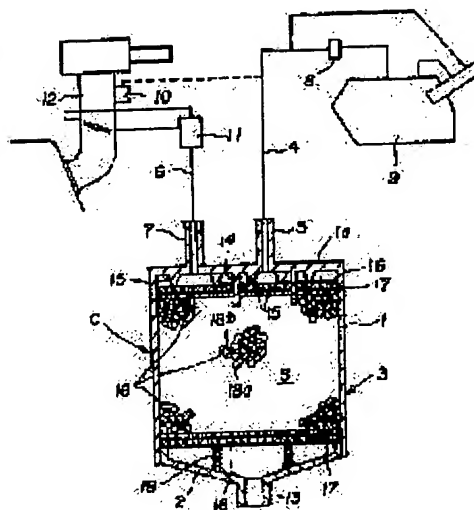
## (54) TREATMENT DEVICE OF EVAPORATIVE FUEL

### (57)Abstract:

PROBLEM TO BE SOLVED: To improve fuel-adhesive and withdrawal performances of active carbons used in a treatment device of an evaporative fuel.

SOLUTION: An evaporative fuel generated in a fuel tank 9 or the like is introduced into a vessel 3 which constitutes a canister C at the time of an engine stop. Granular adsorbents 18 of active carbons are packed in the vessel 3. The adsorbents 18 of active carbons are produced by adhering heat accumulating particles 18b comprising a metal or an inorganic material which has a higher heat transfer coefficient comparing with active carbons and a big heat capacity, almost uniformly, on the surface of a granular adsorptive base material 18a comprising active carbons. The evaporative fuel

introduced into the vessel 3 is adsorbed by the active carbons in the adsorbents 18. The heat generated by the active carbons at the time of the adsorption is transferred to the heat accumulating particles 18b, so a temperature rise of the active carbons is suppressed. The fuel adsorbed in the adsorbents 18 is withdrawn by introducing air from an air port 13 into the vessel 3 at an operation time of the engine, and sent to an intake pipe 12 of the engine and



treated. A temperature decline of the active carbons at a withdrawal time of the fuel is prevented by taking away a retained heat of the heat accumulating particles 18b.

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